

ABSTRACT

Absorbent products are disclosed comprised of multiple components. At least two of the components are adhered together using an adhesive. In accordance with the present invention, the adhesive is applied in between the components according to a non-uniform pattern that varies as a function of distance. For example, the adhesive pattern may change according to at least one of pattern breadth or adhesive dose in weight per unit area. In one particular embodiment, the pattern contains a swirl-like pattern containing a plurality of loops. Over a particular distance, a change may occur in the size of the loops, in the density of the loops, and/or in alternating between loops and a linear bead. In this manner, placement of the adhesive is carefully controlled in order to counteract mechanical stresses that are placed on the absorbent product during use.